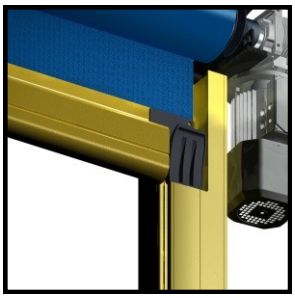
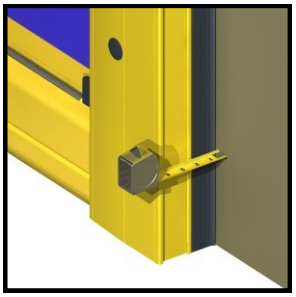
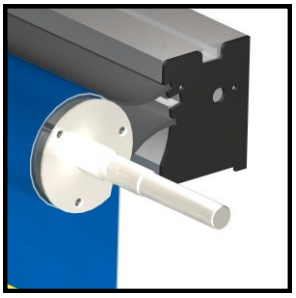
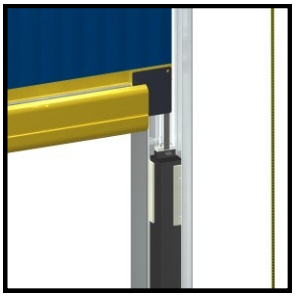
PN: 001011
Version 1.30
Rev: 4/29/2010

# UltraFabric Doors w/ UltraSmart OPERATION









**Doors are Ultra-Tough, Ultra-Reliable, and Ultra-Affordable.**

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1080 Maritime Drive, Port Washington, WI 53074 - 975-A Old Norcross Road, Lawrenceville, Georgia 30046
262-268-9885 www.albanydoors.com

# STATEMENT OF WARRANTY

## UltraFabric, RapidRoll 230, RapidRoll 355, RapidRoll 670 High Speed Doors

### **ONE-YEAR WARRANTY** ON MECHANICAL AND ELECTRICAL COMPONENTS

- **Albany Door Systems** warrants to the original owner of the door that the mechanical and electrical components will be free from defects in material and workmanship for a period of **one (1) year** from the date of shipment. Vinyl fabric material, mesh screen material and transparent (PVC) polyvinyl chloride material is warranted for **one (1) year**. Two (2) ply panel material is warranted for **two (2) years** and three (3) ply panel material is warranted for **three (3) years**.

- Only defects brought to the attention of **Albany Door Systems** during the warranty period will be covered by this warranty.

- **Albany Door Systems** will replace component parts covered by this warranty, which are found to be defective upon inspection by an **Albany Door Systems** representative. Installation or use of parts other than those authorized by **Albany Door Systems** will void this warranty.

- PARTS AND ASSEMBLIES sold separately by **Albany Door Systems** that fail due to defects in material or workmanship within **ninety (90) days** from the date of shipment will be replaced under warranty provided installation has been carried out in accordance with all **Albany Door Systems** procedures. This warranty is limited to providing a replacement part only. This warranty does not cover freight, special charges, or any costs associated with the installation of the replacement part.

- This warranty covers material failure under normal wear conditions; it does not cover damage caused by collision or other abuse of the product. Adjustments made to the control panel or to the mechanical operation of the door without the authorization of **Albany Door Systems** will void this warranty. Any changes made to product configuration without the express written approval from Albany Door Systems may null and void this warranty.

- **Albany Door Systems'** obligations under this warranty are limited to repairing or replacing the defective part including labor and **Albany Door Systems** shall not be responsible for any other losses or damages due to the operation of any door or parts covered by this warranty. Warranty parts will be shipped regular ground freight at the expense of Albany Door Systems.

- This warranty shall be void in its entirety if the failure of any product shall be caused by any installation, operation, or maintenance of the product which does not conform with the requirements set forth by the seller in the applicable product manuals or is in the result of any cause other than a defect in the material or workmanship of the product.

- No other oral or written representations made by **Albany Door Systems** or its agents are a part of this warranty unless specifically set forth in writing by an authorized **Albany Door Systems** official.

**THE ABOVE SET FORTH WARRANTY IS SELLER'S SOLE WARRANTY. SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE AFORESTATED OBLIGATION ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS AGREEMENT.**

**WARNING**

**Do not install, operate or service the product unless you have read and understand the safety practices, warnings, installation and maintenance instructions contained in this manual.**

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v4202010

# INTRODUCTION

The contents of this manual are designed to help you operate and maintain Albany UltraLite™, UltraFast™, UltraCool™, and UltraFreeze™ high speed doors. **DO NOT operate or perform maintenance on the high speed door unless you have read through the instructions in this manual.**

The safety alert symbol is used to identify safety information about hazards that can result in personal injury. A signal word (DANGER, WARNING, or CAUTION) is used with the safety alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

**DANGER indicates a hazard that, if not avoided, will result in death or serious injury.**

**WARNING indicates a hazard that, if not avoided, could result in death or serious injury.**

**CAUTION indicates a hazard that, if not avoided, might result in minor or moderate injury.**

**CAUTION, when used without the alert symbol, indicates a situation that could result in damage to the door.**

**NOTICE is used to inform you of a method, reference, or procedure that could assist with specific operations or procedures.**

Other symbols that may be used in this manual are:

**Lock Out / Tag Out**

**Crushing**

**Fire**

**Shock**

**Read Manual**

# UltraSmart Control Panel

## Controls

**Figure 1 Control Panel Key**

Display: The display shows operation, functions and error codes of the door operation. It is also used when setting adjustments.

OPEN This key pad opens the door and stops the delay timer from closing the door.

STOP This key pad stops the opening or closing of the door.

CLOSE This key pad closes the door and stops the delay timer.

JOG UP This key pad opens the door at a slower speed than normal door operation. The door will open as long as the key pad is pushed.

JOG DOWN This key pad closes the door at a slower speed than normal door operation. The door will close as long as the key pad is pushed.

MAN 1 CLOSE DELAY This key pad sets the time delay of the door closing once it has reached the selected open position in manual mode.

AUTO 1 CLOSE DELAY This key pad sets the time delay of the door closing once it has reached the selected open position in automatic mode.

RESET MENU This key pad resets error codes, holding it for five (5) seconds will enter the menu. This button is also used while in the program mode to leave the present level and return to the previous program level, or exit the program mode.

ENTER This key pad is used to select menu options while in the program mode.

▲ This key pad scrolls up in the menu, or increases a setting value.

▼ This key pad scrolls down in the menu, or decreases a setting value.

# Control Panel Display

The display on the front of the control panel shows two lines of information. The top line displays system status and the second line displays details of the function or specifics of errors.

# Normal Operation

During startup the display will show the software version programmed into the control panel and whether or not the door is ready for normal operation. Once the software has booted the door is ready for operation, the top line will display “Door Ready” unless there is an error detected.
During normal operation the top line will display the current door status, with respect to movement or timers. “Door Ready” will be displayed while in standby mode, if no errors are present.
The second line on the display will show the activator name for the function, or the safety device that triggered an action. The activator can be a manual input signal from the light curtain or reversing edge, or a breakaway switch input.
There can be normal operation with the top line displaying “Door Ready” and the display second line showing a warning.
The “Open: Delay timer Active” display is shown when the door is open and a timer function is operating to delay the door from closing. A “Preventer” code may be displayed if a condition exists to prevent the door from closing such as a disruption of the light curtain or a door bottom edge breakaway. The timer is re-armed if a “Preventer” condition exists.
If any of the warnings shown on page six (6) except for “RevEdge Was Tripped” is displayed, please contact Albany Door Systems for diagnosis and repair. If the bottom line displays “RevEdge Was Tripped” it indicates that the door is open due to a reversing edge trip during the previous close cycle.
The diagram show on page six (6) shows examples of normal operation displays.

# Operator Service

**Changing the Door Closing Time Delay**

In normal operation the Auto time delay selects the delay time before closing the door once it has reached the selected open position.
To increase the time that the door waits before closing:

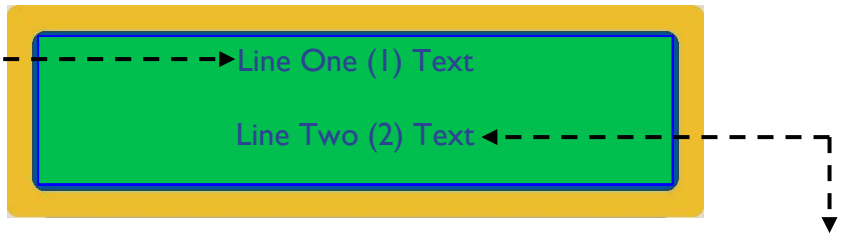
- Press

the time delay will be displayed in seconds at a flashing cursor. If no key pad is pressed the controller will automatically return to normal operation after approximately four (4) seconds.
- Press the or to change the time delay in second intervals.

After four (4) seconds the display will return to normal operation and the time will be stored in memory. If the time is set to “00” with the Man 1 Close Delay the door will remain open until this activator is triggered.

**Seating the Door in the Tracks**

In the event that the door bottom bar separates from a side track, do not attempt to force the bottom bar end(s) back into the track. The BacFlap™ Auto-Reset System will reset the door for normal operation.




**Startup:**
R-Bac Industries
Door Not Ready

**Normal Operation:**
Door ready

**Opening:**
Opening — Full
Opening — Part

**Open: Delay Timer Active**
Auto1 Close Delay
Auto2 Close Delay
Man1 Close Delay
Man2 Close Delay
DTC Timer

**Open Commanded :Delay Timer Active:**
DTO Timer (Display shown during a count - down of the timer.)

**Closing:**
Closing

**Normal: Warning**
Door Ready

**Startup:**
Version n.m

**Normal Operation:**
0000000 The zeros indicate the number of door operations. The counter will advance with each full or partial door opening. Version n.m (shown until first cycle)

**Opening:**
Auto 1
Auto 2
Man 1
Man 2
Open Pb
Open On Panel
Photo 1 (Front)
Photo 2 (Rear)
Reversing Edge
Breakaway

**Open: Delay Timer Active:**
(Preventer, if any)

**Open Commanded :Delay Timer Active:**

**Closing:**
Auto 1
Auto 2
Man 1
Man 2
Close Pb
Close on Panel

**Normal: Warning**
Encoder Low Battery
Module D Loop Open
Module D Loop Short
Module D Loop Error
Module D Loop1 Open
Module D Loop1 Short
Module D Loop1 Error
Module D Loop2 Open
Module D Loop2 Short
Module D Loop2 Error
RevEdge Was Tripped

**⚠ CAUTION**

**DO NOT** reset the door until the break away flap(s) are out of the side rails on th eside away from the wall.

- Pull the bottom rail of the door away from the wall so the break away flap or flaps are on the front of the side rails away from the wall.

Note: After the door bottom bar separates from a side track, when the

key pad is pressed the door will open higher than normal operation. It will open to the break away limit setting.

- Press

to automatically **FULLY** open the door; or, press and hold the

to manually open the door high enough for the flaps to clear the guides at the top of the side rails.

  When using

the key pad **DO NOT** raise the door higher than necessary.

- Press

to close the door. The bottom bar ends will automatically track behind the guides and back into the side rails. The door control will reset itself to the automatic mode.

# Adjustments

### Door Limit Adjustments

Door limit adjustments are used to set four heights that the door opens and closes to. There are four (4) heights that the operator can set; Closed Limit, Full Open Limit, Partial Open Limit, and Break Away Reset Limit. The Closed Limit should **always** be checked for correct height or set before the other limits are set. When any limit is set all of the limits should be checked or set.

### Closed Limit

Used to set the fully closed position of the door. The door controller uses this position as the “zero” position to establish the height that the door moves to for two (2) open positions and the break away position. The Open, Partial, and Break Away limits are all relative to the Closed Limit. If the closed limit is reset to a different position, all the other settings will change relative to the new Closed Limit Setting.

### Full Open Limit

Used to set the height that the door opens fully to.

### Partial Open Limit

Used to set the height that the door opens to if it is programmed for a lower opening in addition to the fully open position.

### Break Away Reset Limit

Used to set the height that the door will open to so the bottom rail can be seated in the side rails after it has been broken out of them. This height is set higher than the Full Open Limit.

# Periodic Maintenance

Albany Door Systems high speed doors are engineered for low maintenance operation. The door should be visually inspected daily for wear and tear, and operated to verify functions. Quarterly maintenance should be performed to clean components and to check all safety functions and check for mechanical and electrical integrity.

**Daily Inspection**

1. Inspect the door fabric for wear or damage.
2. Operate the door through several openings and closings. Verify that the door seats against the floor and that the door fabric remains tight and does not wrinkle. Verify that the door opens fully, slightly beyond the wall opening, and does not open too far.
    - If the door does not seat against the floor properly or opens to the wrong position, refer to “Setting Door Limit Adjustments”.
    - If the door fabric has diagonal wrinkles the door fabric roll at the top of the door is not level and perpendicular to the side rails. Leveling adjustments should be made as soon as possible to prevent wear or damage. Refer to the installation instructions or contact Albany Door Systems.
3. With the door closing, place an object through the light curtain, or photoeyes, on each side of the door. Verify that the door stops immediately.
4. If a multiple panel door is installed, check at each end of the ribs to verify that they are in place and centered.
5. Inspect the coiled electrical wire for wear or damage.
6. Check the light curtain slots for dirt or dust accumulation and clean as necessary.

**⚠ CAUTION**

**Do not stand under the door when performing the following inspection. If the bottom bar reversing switch is not functioning correctly injury can occur.**

7. While the door is closing, tap the bottom of the door edge wand verify that the door stops and reverses to a fully open position.

# Periodic Maintenance Continued…

**Quarterly Inspection**

1. Perform daily inspection.
2. Check all mounting hardware and verify that all nuts and bolts are tight. Hardware includes: wall anchors, cover hardware, motor mounting hardware, and bearing bolt nuts.
3. Check the break away function by performing the following steps:
    - Stop the door so the bottom rail is between waist and chest high.
    - Push the bottom bar out of one of the side columns.
    - Press the open key pad and verify that the door opens to the break away opening height and that the bottom bar centers in the side rails.
    - Press the close key pad and verify that the bottom rail is centered and the door closes fully.
4. Inspect all side and top weather seals for wear or damage.

# Troubleshooting

**DISPLAY OR DOOR**

| Problem | Possible Cause | Corrective Action |
|---|---|---|
| No control or VFD display. | Loss of main power. | Check with meter across L1-L2,L2-L3,L1-L3 |
| | Blown Fuse | Check with Meter:<br>Across 1L1-1L2, 1L2-1L3,1L1-1L3<br>Across 2L1-2L2, 2L2-2L3, 2L1-2L3 |
| No display or LED's light on module panel. | Loss of power. | Check with meter across 1L1-1L2 at control transformer. |
| | Blown fuse. | Use meter to check for 24V between wired H_ terminals on top of transformer and between XF and X2 on bottom of transformer. |
| | E stop jumper loose or miss-ing. | Verify that jumper is between 1A and 1B on terminal strip of module board. |
| | If E stop button present. | Check to see if E stop button activated. |
| Door will not open. | No input signal at module A | Check activation input by pressing correspond-ing test button, LED should light and door open. If door opens: faulty activator or wiring to module. If door does not open by test button: faulty module. |

# Trouble Shooting Continued...

**DISPLAY OR DOOR**

| Problem | Possible Cause | Corrective Action |
|---|---|---|
| Door does not close. | Held open by safety input or activator input. | Check display readout. Check for lit LED on modules A and B. Remove corresponding wire on module A. For lit LED-if door closes: faulty activator. If LED stays lit and door stays open: faulty module.<br><br>Held open if loop installed. Check loop module for lit LED. Remove loop wires from module terminal strip. If door closes: faulty loop wire. If door remains open and LED stays lit after removal of loop wires: faulty module. |
| | Reversing edge activated. | Check display reset. Check for bad wire connection. Check that edge is not pinched. |
| | Breakaway activated. | Check display reset. Check for bad wire connection. Check that edge is not pinched. |
| Door does not open or close. | Brake not disengaging. | Check power at terminals 5 and 6 below module C for 24 VAC. Check power at terminals B1 and B2 for 3 phase power. |
| | No encoder change, no position change. | Door jammed: clear jam Broken drive shaft. Call manufacturer. |
| | Encoder com loss of signal. | Check for loose connections or broken cable. Check for encoder mounting. Call manufacturer. |

# Trouble Shooting Continued...



| Problem | Possible Cause | Corrective Action |
|---|---|---|
| Red alarm LED on. | Transmitter disabled no synchronization signal. | Check power supply and cable green LED should be on at all times. |
| Yellow LED flashing. | Sever electrical interference. | Remove cables from high voltage. |
| | High ambient light. | Check and adjust alignment of transmitter and receiver. |
| Yellow LED always off. | Receiver cannot see transmitter. | Remove obstruction. |
| No green LED. | Loss of 24 VDC | Check across terminal 1 and 4 on module B:<br>Remove wires from terminal 1, 2, 3, 4.<br>If 24 VDC present at terminal 1 and 4: isolate faulty light curtain.<br>If 24 VDC not present at terminal 1 and 4 after removal of wires: faulty module. |

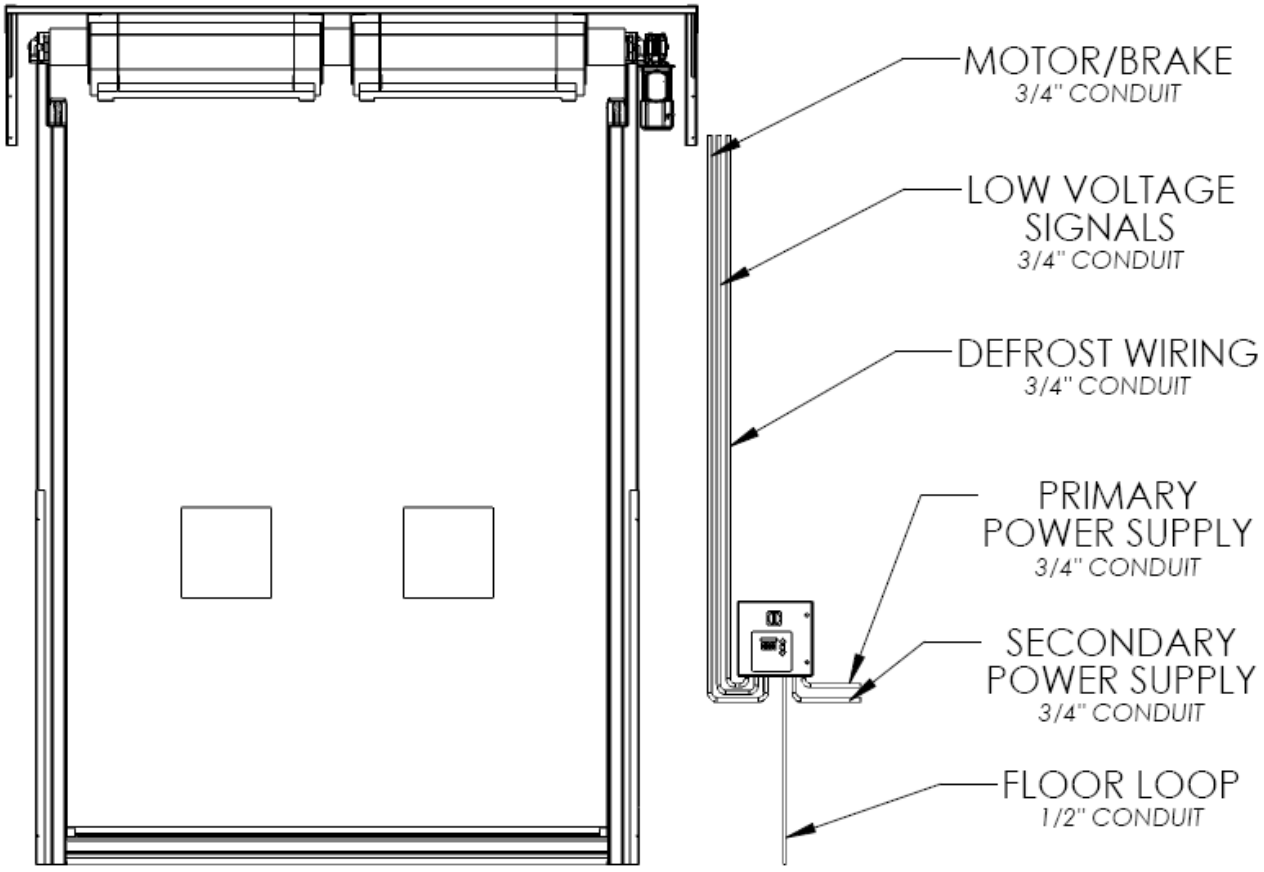
| Problem | Possible Cause | Corrective Action |
|---|---|---|
| Motor drive fault | F3 power loss. | Check incoming power. |
| | F4 undervoltage. | Check incoming power for low voltage or power interruptions. |
| | F5 overvoltage | Check for incoming power. |
| | F6 motor stalled. | Increase accel time or reduce load so drive does not exceed set current in A089. |
| | F8 heatsink overheat. | Check for blocked or dirty heat sink fins, check fan. |
| | F13 ground fault. | Check the motor and external wiring for the drive output terminals for a grounded condition. |

# Trouble Shooting Continued...

## Motor Drive Fault

| Problem | Possible Cause | Corrective Action |
|---|---|---|
| Motor Drive Fault | F38 phase U to ground.<br>F39 phase V to ground. | Check wiring between drive and motor. Check motor grounded phase. |
| | F40 phase W to ground. | Contact manufacturer. |
| | F41 phase UV short.<br>F42 phase UW short. | Check the motor and drive output terminal wiring for shorted condition. |
| | F43 phase VW short. | Contact manufacturer. |
| | F70 power unit. | Recycle power. If fault does not clear, call manufacturer. |

## ELECTRICAL CONNECTIONS



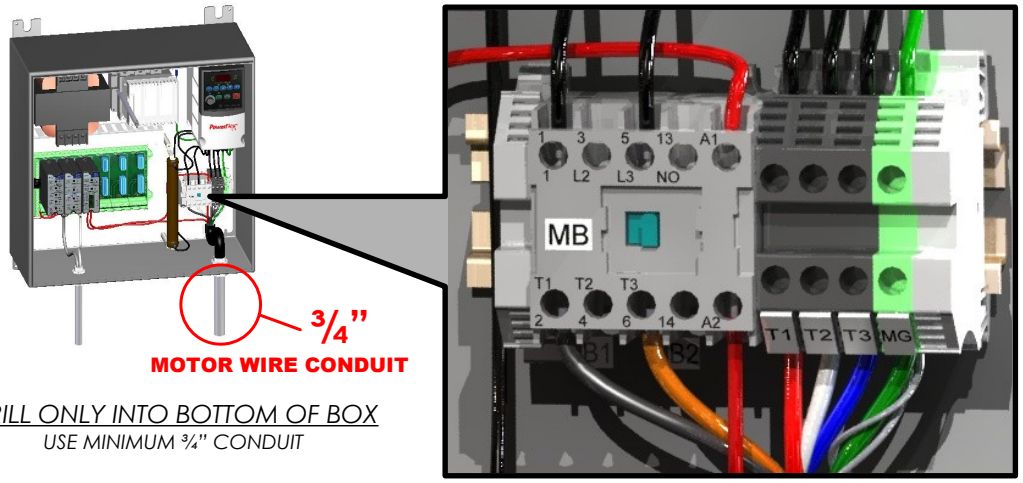

- **REFER TO INDIVIDUAL DOOR SCHEMATICS FOR SPECIFIC DETAILS ON OPTIONAL EQUIPMENT..**

**CONDUIT ROUTING**

**NOTICE** **All conduit and electrical connections must come in**

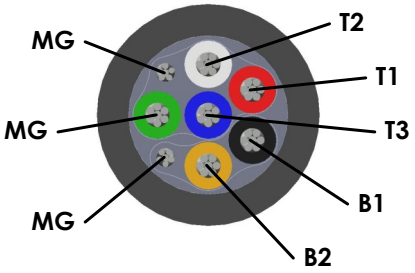
-A- Motor/Brake—3/4” Conduit (all doors)
-B- Low Voltage Signals—3/4” Conduit (all doors)
-C- Defrost Wiring—3/4” Conduit (UltraFreeze doors only)
-D- Primary Power Supply—3/4” Conduit (all doors)
-E- Secondary Power Supply—3/4” Conduit (some UltraFreeze doors)
-F- Floor Loop—1/2” Conduit (optional)

## MOTOR WIRING

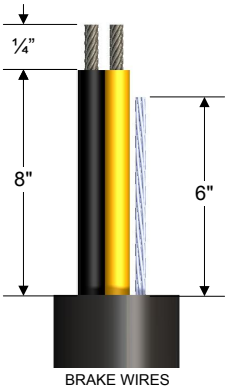


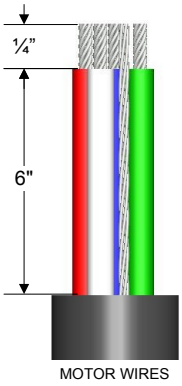

*DRILL ONLY INTO BOTTOM OF BOX*
*USE MINIMUM ¾" CONDUIT*

| | WIRE | TO TERMINAL |
|---|---|---|
| SEPARATE FOIL SHIELD | RED | T1 |
| | WHITE | T2 |
| | BLUE | T3 |
| | GREEN | MG |
| | BARE SHIELD DRAIN | MG |
| SEPARATE FOIL SHIELD | BLACK | B1 |
| | ORANGE | B2 |
| | BARE SHIELD DRAIN | MG |



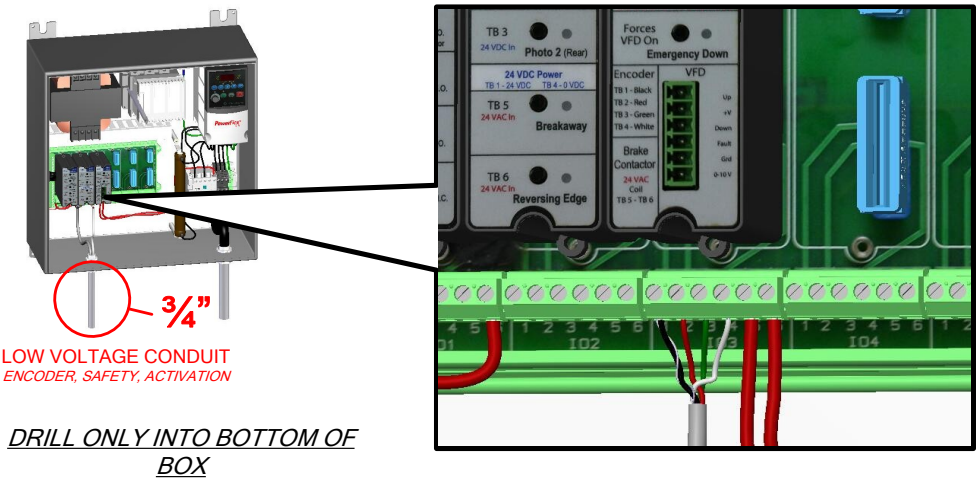

WIRE STRIP GAUGE



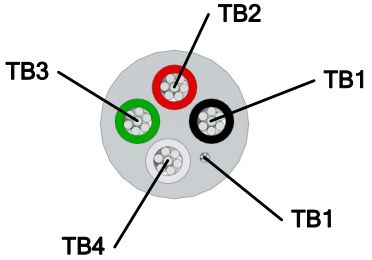

NOTE: TO CHANGE DIRECTION OF MOTOR ROTATION – SWITCH T1 AND T2

## ENCODER WIRING

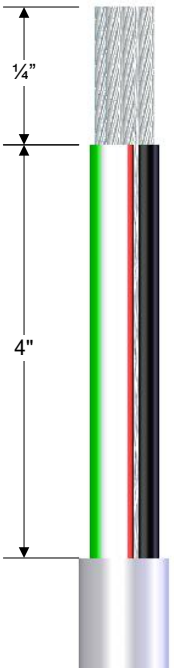



*DRILL ONLY INTO BOTTOM OF BOX*
*USE MINIMUM ¾" CONDUIT*

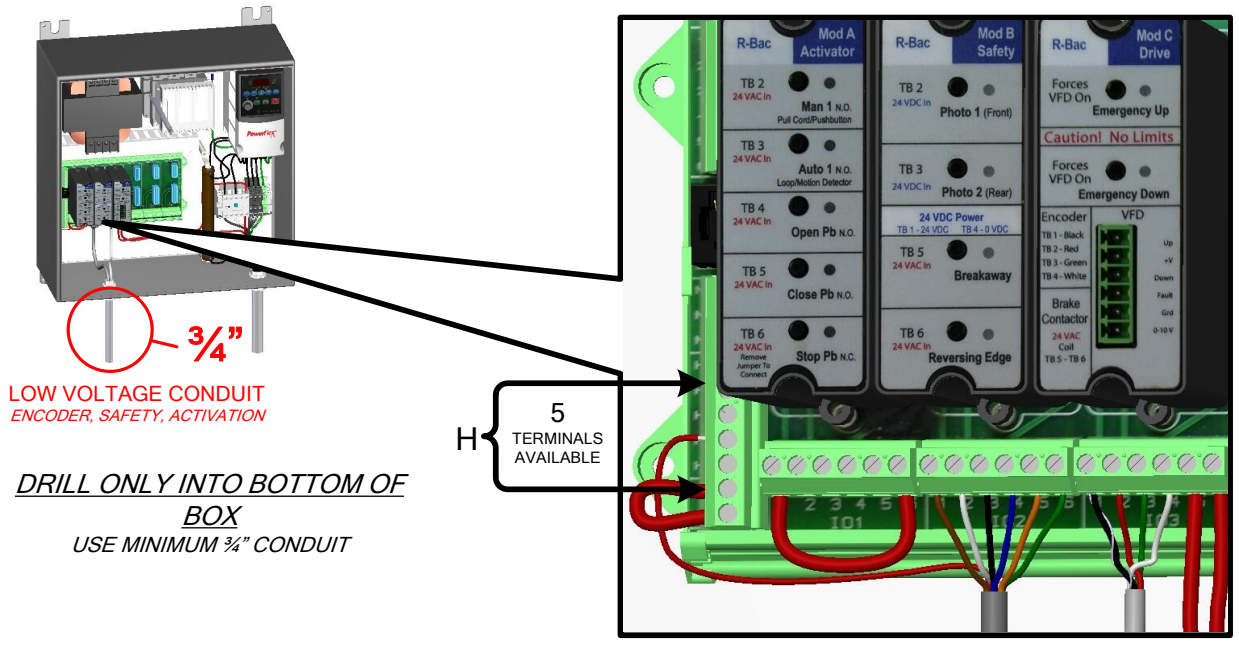
| WIRE | TO TERMINAL |
|---|---|
| BLACK | Module C - TB1 |
| RED | Module C - TB2 |
| GREEN | Module C - TB3 |
| WHITE | Module C - TB4 |
| BARE SHIELD DRAIN | Module C - TB1 |

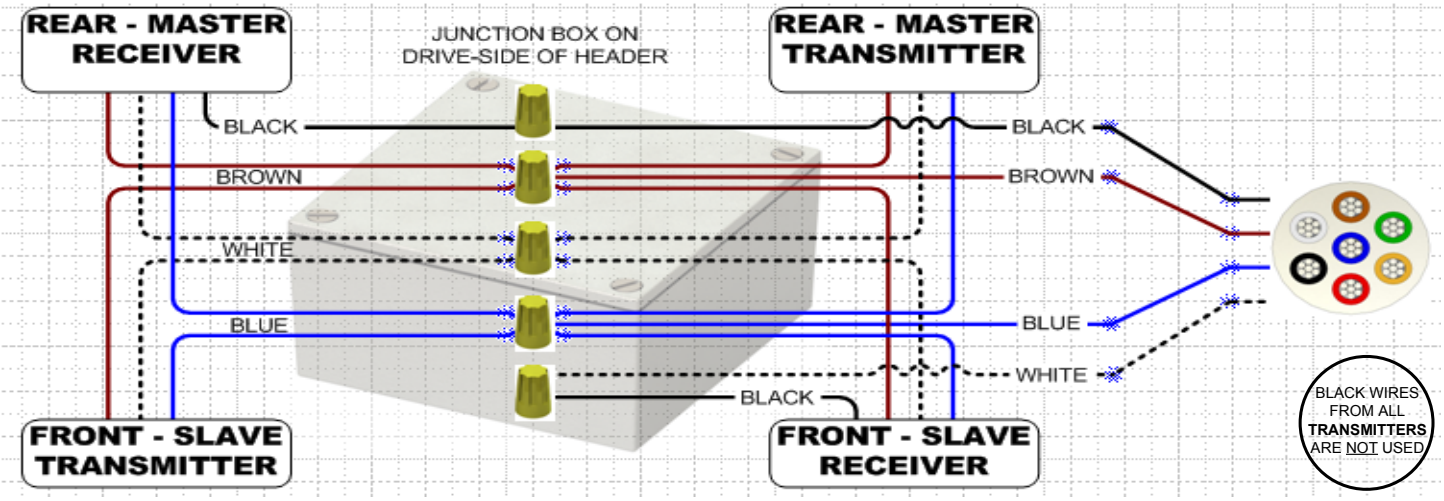



WIRE STRIP GAUGE



## SAFETY WIRING

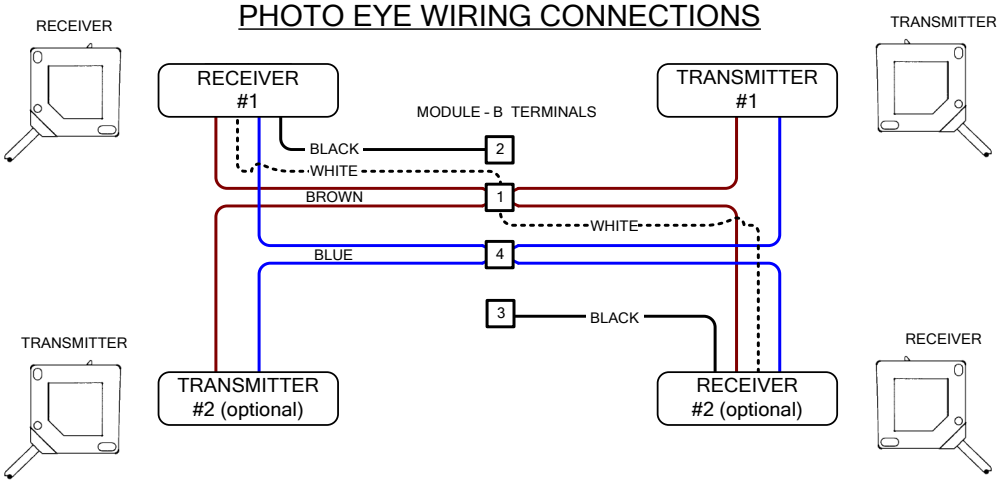


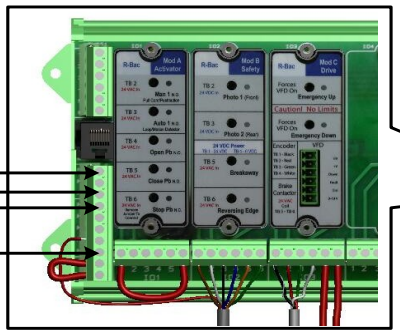

## LIGHT CURTAINS

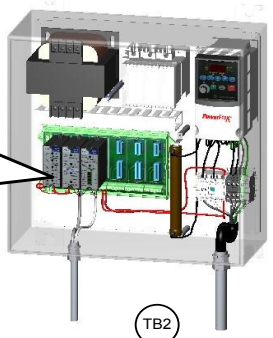
*TRANSMITTERS - GREEN "POWER" LIGHT ONLY*
*RECEIVERS - STATUS INDICATORS SHOWN BELOW*

## PHOTO EYE WIRING CONNECTIONS



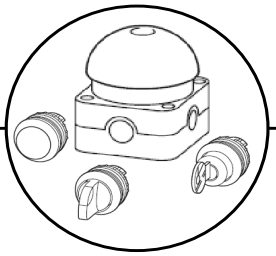
## ACTIVATION WIRING



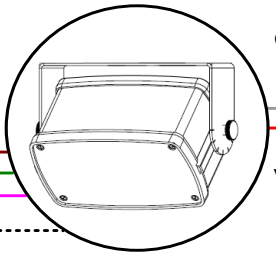



### MANUAL ACTIVATORS

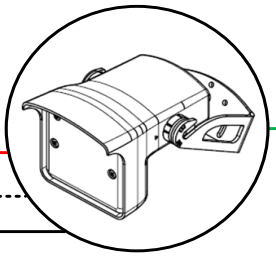
CONNECT AS "NORMALLY OPEN"



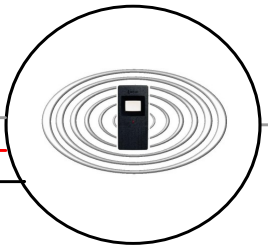

### HERKULES™ MOTION SENSOR



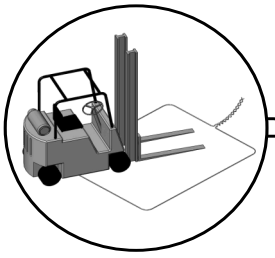

### FALCON™ MOTION SENSOR




### REMOTE CONTROL




### LOOP DETECTOR

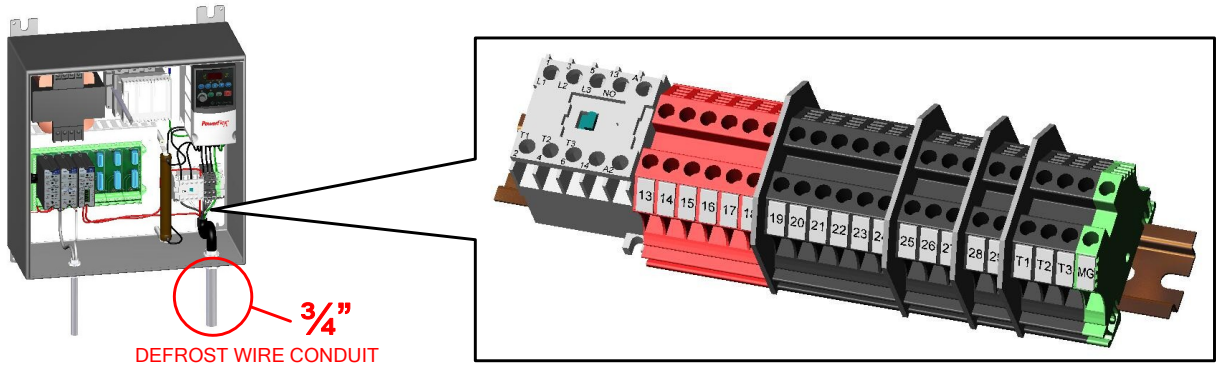


## DEFROST WIRING

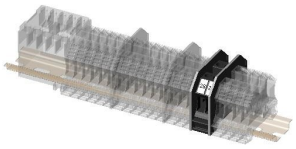
Albany doors may be equipped with one of the following optional systems:

- Heated Blowers
- IR Lamps
- IR Lamps & Unheated Blowers
- Unheated Blowers

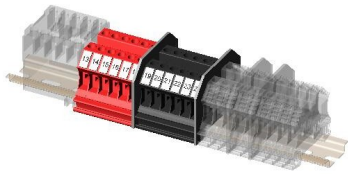
Use 18AWG or larger wires for all connections to RED terminal blocks. Use 12AWG or larger wires for all connections to BLACK terminal blocks.



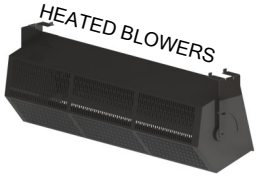

*DRILL ONLY INTO BOTTOM OF BOX*
*USE MINIMUM ¾" CONDUIT*

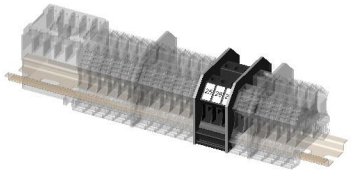


CONNECT TERMINALS 28 & 29
TO 120VAC HEAT TAPE
*LOCATED IN JUNCTION BOX ON HEADER*

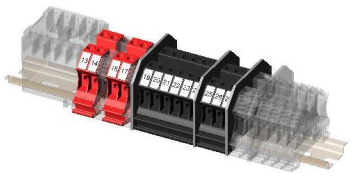


6 — LOW VOLTAGE WIRES - 13, 14, 15, 16, 17, 18
6 — HIGH VOLTAGE WIRES - 19, 20, 21, 22, 23, 24

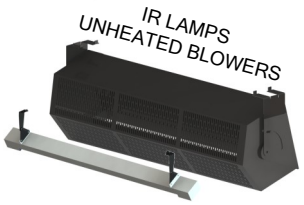


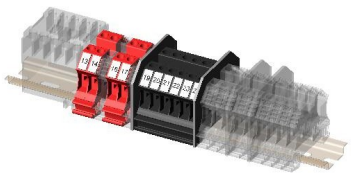



3 — HIGH VOLTAGE WIRES - 25, 26, 27

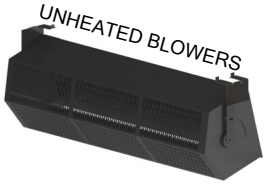


4 — LOW VOLTAGE WIRES - 13, 14, 16, 17
9 — HIGH VOLTAGE WIRES - 19, 20, 21, 22, 23, 24, 25, 26, 27



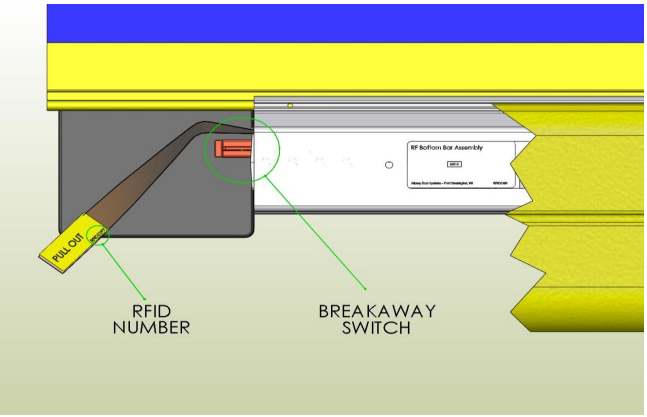



4 — LOW VOLTAGE WIRES - 13, 14, 16, 17
6 — HIGH VOLTAGE WIRES - 19, 20, 21, 22, 23, 24



## ENABLING THE WIRELESS SAFETY SYSTEM

If the door is equipped with Albany's Wireless Safety System (indicated by the lack of a coil cord), the following steps must be taken to initialize the communications::




1. Locate the RFID number on a sticker on the pull strip.
2. Setup the UltraSmart™ Controller according to the procedure below:
3. Pull out the strip.
4. Test the system.

**UltraSmart™ Controller Settings**

Press and hold RESET MENU until "LIMIT SETUP" is shown on the display

Press ▲ until "WIRELESS SETUP" is shown; Press ENTER

Press ▲ until "BOTTOM BAR ID" is shown; Press ENTER

Change the number to the RFID number on the bottom bar label using ▲ and ▼

Press ENTER to store the value and press RESET MENU until "DOOR READY" is displayed

Thoroughly test the system to determine if all sensors/switches are functioning properly. Make sure you can answer "yes" to the following questions:

- Does the door reverse when the reversing edge is tripped upon closing?
- Does the UltraSmart™ controller recognize the left-side breakaway switch?
- Does the UltraSmart™ controller recognize the right-side breakaway switch?

If you cannot answer "yes" to all the above questions, check all wiring connections and ensure the RFID is set to the same number that is labeled on the wireless bottom bar module.

## UltraSmart™ STARTUP PROCEDURE

Albany's UltraSmart™ control system is designed to accommodate numerous option modules and future technological advances. This manual will address necessary settings for the standard options; however, optional modules and special applications may require additional steps to be taken for proper setup. Refer to the control schematic shipped inside the panel enclosure for additional electrical and setup details.

## SETTING DOOR LIMITS

***NOTE: SAFETY DEVICES WILL PREVENT THE DOOR FROM CLOSING IF ACTIVATED DUR-***

1) Press and hold RESET MENU until "LIMIT SETUP" is shown on the display; Press ENTER
2) "CLOSED LIMIT" should be displayed; Press ENTER
3) Use JOG UP and/or JOG DOWN to bring the door to the full closed position; Press ENTER
4) Press ▲ "FULL OPEN LIMIT" should be displayed; Press ENTER
5) Use JOG UP and/or JOG DOWN to bring the door to the full open position; Press ENTER
6) Press ▲ "PARTIAL OPEN LIMIT" should be displayed; Press ENTER
7) Use JOG UP and/or JOG DOWN to bring the door to the partial open position or set the same as the full open position if not used; Press ENTER
8) Press ▲ "BREAKAWAY RESET LIMIT" should be displayed; Press ENTER
9) Use JOG UP and/or JOG DOWN to bring the door to the breakaway reset position; Press

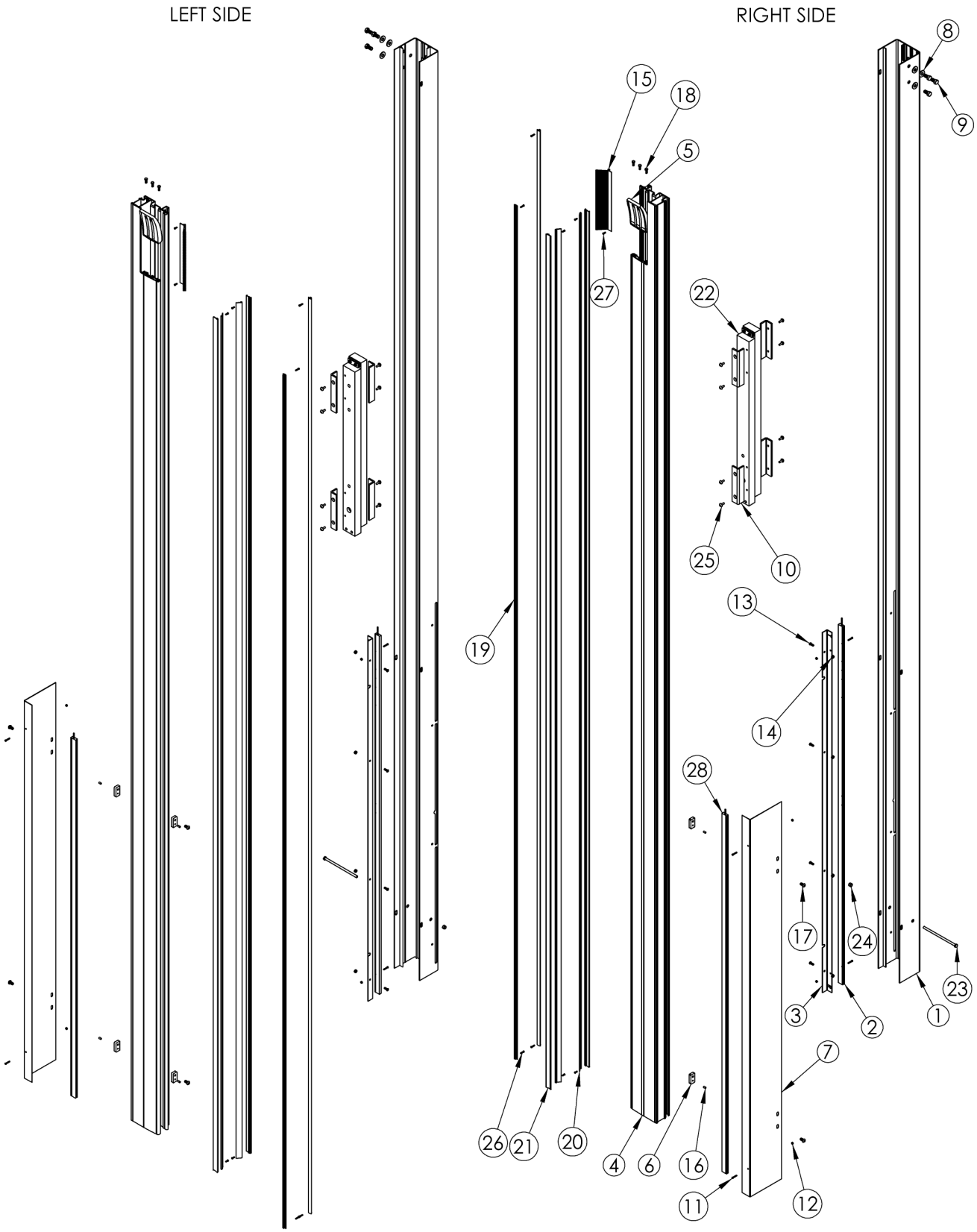
**CAUTION** **The *Open*, *Partial*, and *Breakaway Limit* are all relative to the *Closed Limit*. If the *Closed Limit* is reset to a different position, all**

## SETTING SYSTEM OPTIONS

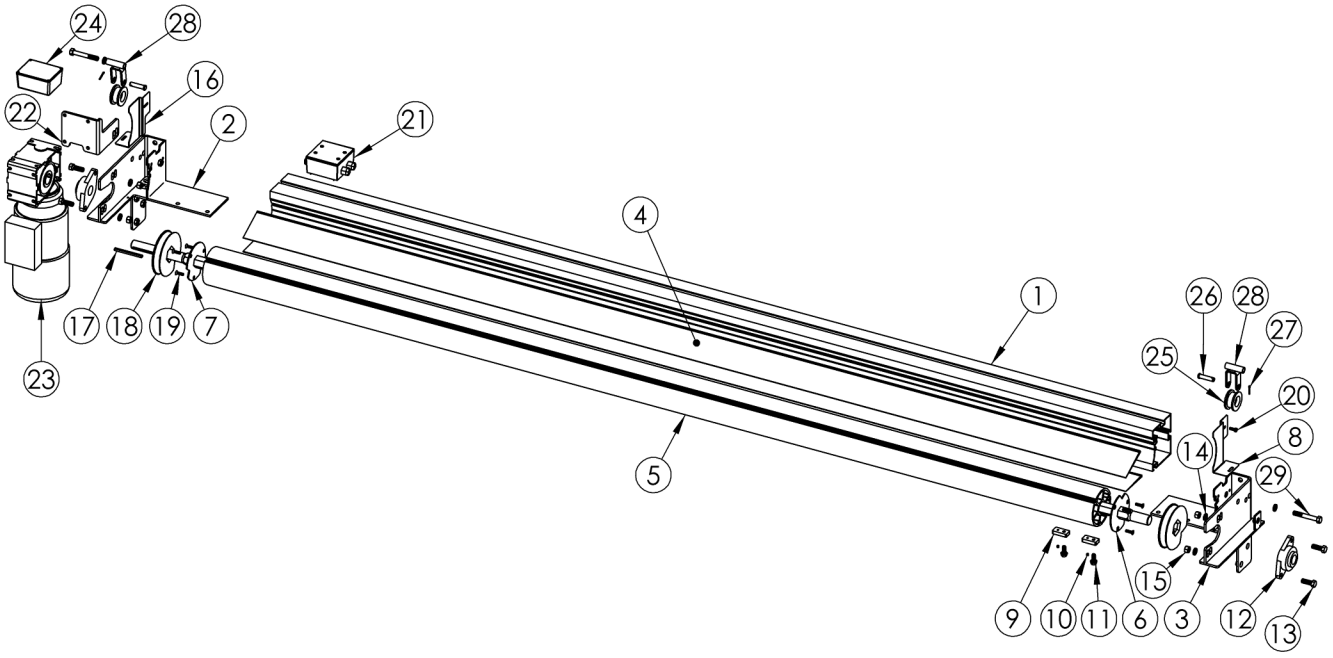
1) Press and hold RESET MENU until "LIMIT SETUP" is shown on the display; Press ENTER
2) Press ▲ until "SYSTEM OPTIONS" is shown; Press ENTER
   ⇒ Use ▲ and/or ▼ to cycle through the available options; Press ENTER to edit that option.
   ⇒ Use ▲ and/or ▼ to change the value; Press ENTER to store that value
3) When finished—press RESET MENU until "DOOR READY" is displayed

## SETTING TIMERS

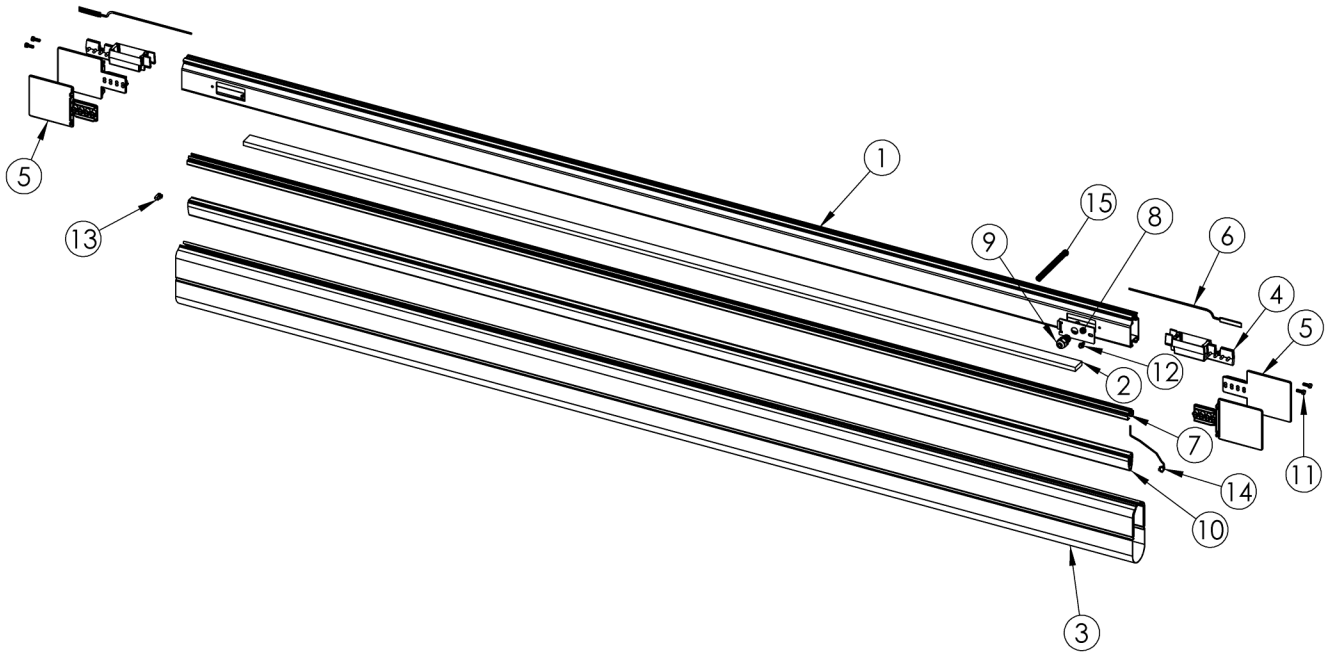
1) Press and hold RESET MENU until "LIMIT SETUP" is shown on the display; Press ENTER
2) Press ▲ until "SET TIMERS" is shown; Press ENTER
   ⇒ Use ▲ and/or ▼ to cycle through the available options; Press ENTER to edit an option.
   ⇒ Use ▲ and/or ▼ to change the value; Press ENTER to store that value
3) When finished—press RESET MENU until "DOOR READY" is displayed


LEFT SIDE
RIGHT SIDE
8
9
15
18
5
27
22
25
10
19
13
14
28
17
24
23
3
2
1
7
26
21
20
4
6
16
11
12

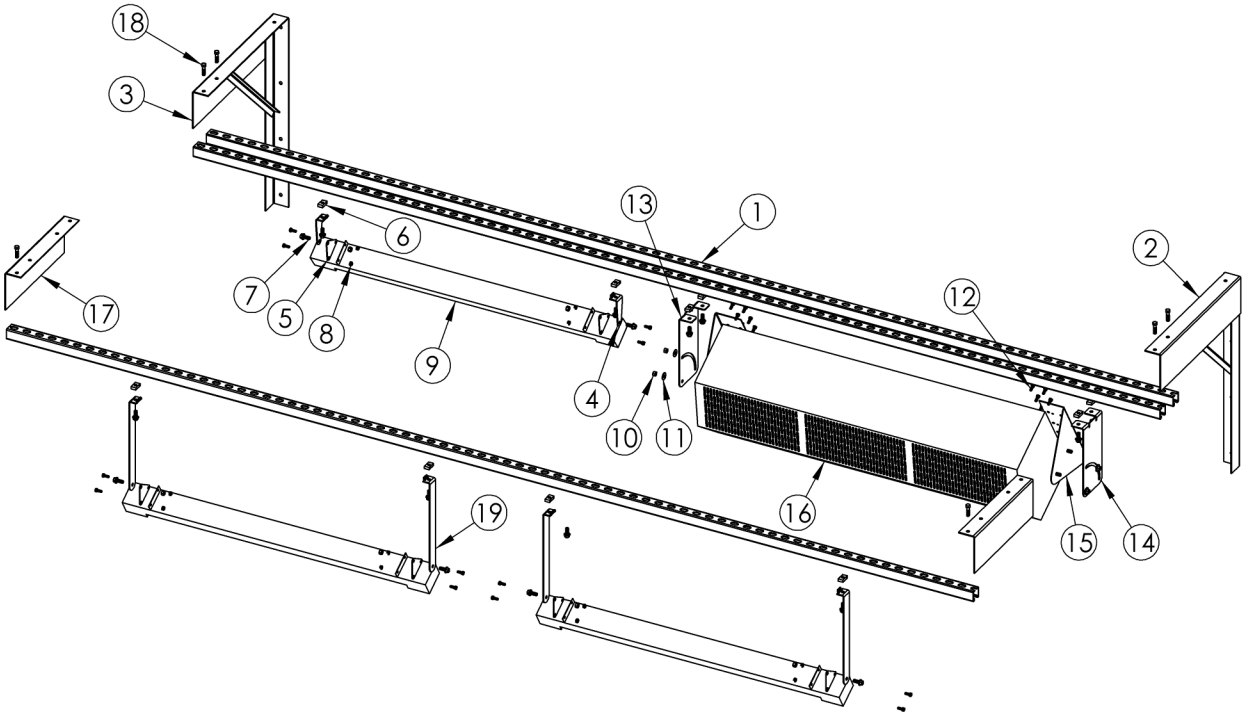
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 000013-K | REAR COLUMN EXTRUSION, RIGHT | 1 |
| 2 | 001154 | LIGHT CURTAIN MASTER TRANSMITTER M12 | 1 |
| 3 | 000245-G | REAR LIGHT CURTAIN BRACKET | 1 |
| 4 | 000024-G | FRONT COLUMN EXTRUSION, RIGHT | 1 |
| 5 | 000019-E | RETRACK FLAP | 1 |
| 6 | 000021-A | PLATE T - SLOT | 5 |
| 7 | 000334-C | FRONT LIGHT CURTAIN BRACKET | 1 |
| 8 | 000421 | WASHER FLAT 1/2" | 3 |
| 9 | 000087 | BOLT HHC 1/2 - 13 X 1" | 3 |
| 10 | 000105-B | GLIDE STRIP, COUNTERWEIGHT CORNER | 4 |
| 11 | 000419 | SCREW PH PAN # 6 X 1" 18.8 SS | 4 |
| 12 | 96278A007 | NUT KEPS 6 - 32 18.8 SS | 4 |
| 13 | 000424 | SCREW BH 1/4 - 20 X 3/4" 18.8 SS | 4 |
| 14 | 96278A511 | NUT KEPS 1/4 - 20 18.8 SS | 4 |
| 15 | 000143 | SEAL BRUSH/TRACK | 1 |
| 16 | 000022 | SCREW SET CUP 1/4 - 20 X 1/2" | 5 |
| 17 | 000412 | SCREW BH 3/8 - 16 X 3/4" 18.8 SS | 5 |
| 18 | 000036 | BOLT HHC 1/4 - 20 X 1 | 3 |
| 19 | 000822-D | GLIDE STRIP, 16FT LENGTH | 2 |
| 20 | 000913-B | FRONT COLUMN SEAL | 2 |
| 21 | 000912-D | FRONT COLUMN SEAL HOLDER, 205" | 2 |
| 22 | 000004-C | COUNTERWEIGHT, RIGHT SIDE | 1 |
| 23 | 000009 | BOLT HHCS 3/8 - 16 X 8" | 1 |
| 24 | 000010 | NUT 3/8 - 16 | 1 |
| 25 | 000106 | RIVET MUSHROOM HEAD 1/4" X 3/4" | 8 |
| 26 | 00406 | SCREW PH PAN #6 X 3/4" 18.8 SS | 4 |
| 27 | 000315 | SCREW PH PAN # 6 X 1/2" 18.8 SS | 6 |
| 28 | 001157 | LIGHT CURTAIN SLAVE RECEIVER M12 | 1 |



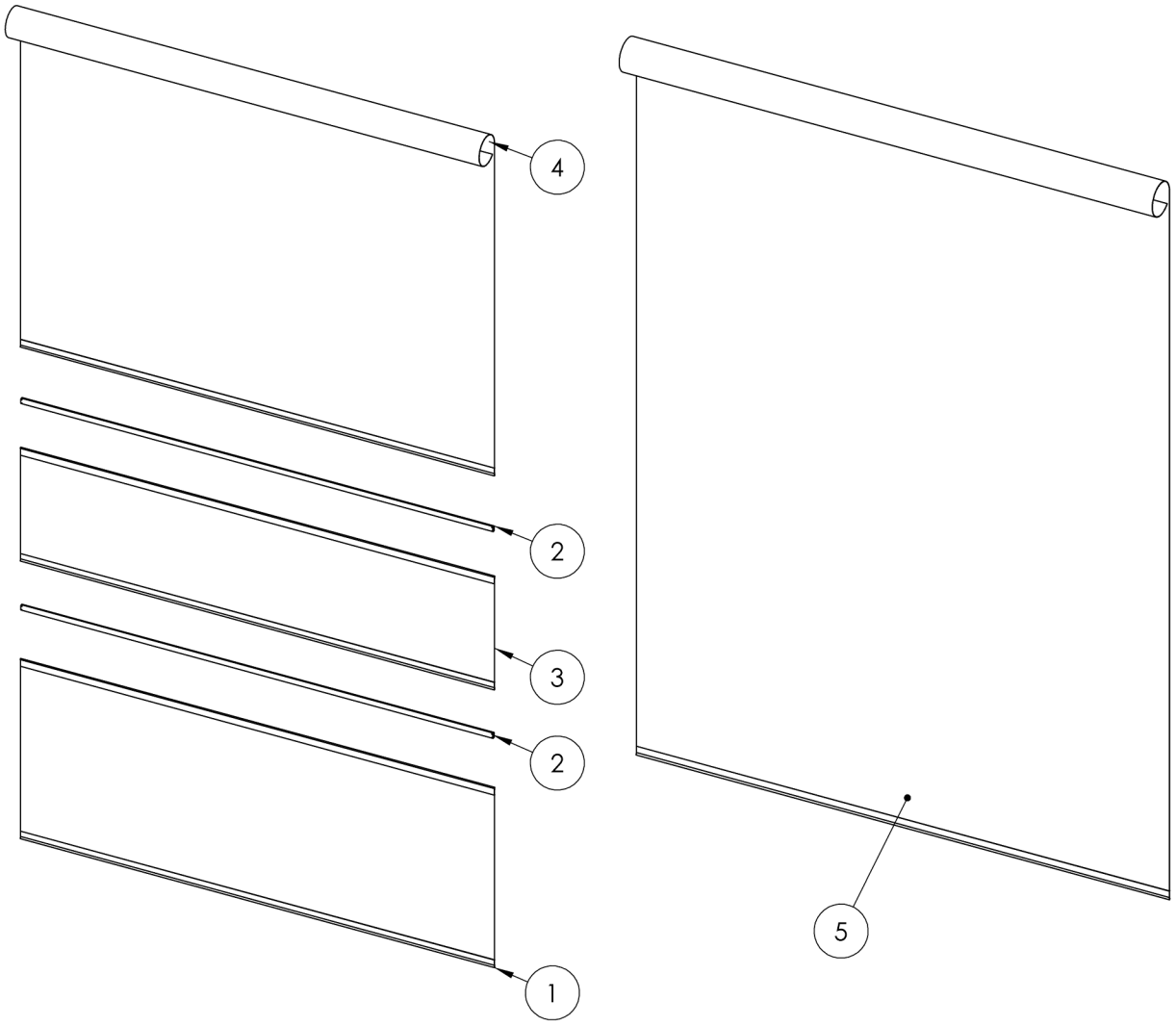

| ITEM NO. | PART NUMBER | DESCRIPTION |
|---|---|---|
| 1 | 000026 | TOP BEAM EXTRUSION |
| 2 | 000233 | WELDMENT TOP BEAM BRACKET LEFT |
| 3 | 000236 | WELDMENT TOP BEAM BRACKET RIGHT |
| 4 | 000027 | GASKET VINYL TOP BEAM CUT TO LENGTH |
| 5 | 000039 | DRUM EXTRUSION |
| 6 | 000040 | DRUM AXLE BEARING SIDE |
| 7 | 000043 | DRUM AXLE MOTOR SIDE |
| 8 | 000382 | TOP BEAM CLOSER BRACKET RIGHT |
| 9 | 000021 | PLATE T - SLOT |
| 10 | 000048 | Set Screw, 1/4-20 x 0.25" Lg |
| 11 | 000415 | BOLT FLANGE SERRATED 3/8 - 16 X 1" 18.8 SS |
| 12 | 000030 | BEARING FLANGED MOUNTED DRUM |
| 13 | 000422 | BOLT HHC 1/2 - 13 X 1-1/2" |
| 14 | 000420 | WASHER LOCK 1/2" |
| 15 | 000035 | NUT HEX NYLOCK 1/2 - 13 |
| 16 | 000383 | TOP BEAM CLOSER BRACKET LEFT |
| 17 | 000046 | KEY STOCK .25" SQUARE X 4.00" |
| 18 | 000240 | COUNTERWEIGHT SPOOL |
| 19 | 000051 | SCREW, TORX FLAT HEAD 1/4 - 20 X 1 - 1/4" |
| 20 | 000036 | BOLT HHC 1/4 - 20 X 1 |
| 21 | CONSULT FACTORY | JUNCTION BOX |
| 22 | 000744-C | TORQUE ARM, NORD, RH |
| 23 | CONSULT FACTORY | MOTOR |
| 24 | CONSULT FACTORY | ENCODER BOX |
| 25 | 000033 | PULLY COUNTERWEIGHT STRAP |
| 26 | 000411 | 1/2 X 2 CLEVIS PIN STEEL ZINC SPEC HEAD HGT 070 |
| 27 | 000410 | PIN COTTER 7/64 X 1" |
| 28 | 000342 | YOKE |
| 29 | 000239 | SCREW HEX 1/2 - 13 X 3 - 1/2" |




| ITEM NO. | PART NUMBER | DESCRIPTION |
|---|---|---|
| 1 | CONSULT FACTORY | BOTTOM BAR EXTRUSION |
| 2 | 000062 | BOTTOM BAR WEIGHT |
| 3 | 000070 | BOTTOM BAR LOOP SEAL |
| 4 | 000675 | BLOCK, ENDCAP, BOTTOM BAR, RF |
| 5 | 000749 | BREAKAWAY TAB |
| 6 | 000967 | 3.5" BREAKAWAY SWITCH LOW SENSITIVITY |
| 7 | 000918 | REVERSING EDGE EXTRUSION HOLDER |
| 8 | 000241 | HOLE PLATE, BOTTOM BAR, WIRE HOLE |
| 9 | 000398 | CORD GRIP, COIL |
| 10 | 001180 | REVERSING EDGE CONDUCTIVE EXTRUSION GE245TK |
| 11 | 000036 | BOLT HHC 1/4 - 20 X 1 |
| 12 | 000616 | SCREW FLANGE 1/4 - 20 X 1/2" |
| 13 | 001292 | PLUG, SAFETY EDGE, 8.2K |
| 14 | 001005 | PLUG, SAFETY EDGE WITH CABLE |
| 15 | CONSULT FACTORY | COIL CORD |




| ITEM NO. | PART NUMBER | DESCRIPTION |
|---|---|---|
| 1 | 000243 | UNI-STRUT |
| 2 | 000503 | DEFROST BRACKET, RIGHT |
| 3 | 000504 | DEFROST BRACKET, LEFT |
| 4 | 000244 | LIGHT BAR MIDDLE SUPPORT |
| 5 | 000246 | LIGHT BAR TRIANGLE |
| 6 | 000517 | UNISTRUT HANGER 3/8 - 16 |
| 7 | 000415 | BOLT FLANGE SERRATED 3/8 - 16 X 1" 18.8 SS |
| 8 | 000423 | NUT KEPS 1/4 - 20 18.8 SS |
| 9 | CONSULT FACTORY | INFARED HEATER FIXTURE |
| 10 | 000256 | NUT HEX NYLOCK 3/8 - 16 |
| 11 | 000518 | WASHER FLAT 3/8" |
| 12 | 000409 | BOLT HHC 1/4 - 20 X 3/4" 18.8 SS |
| 13 | 000438 | BLOWER MOUNTING HANGER, LEFT |
| 14 | 000439 | BLOWER MOUNTING HANGER, RIGHT |
| 15 | 000431 | BLOWER MOUNTING BRACKET |
| 16 | CONSULT FACTORY | BLOWER |
| 17 | 000505 | IR LIGHT EXTENSION |
| 18 | 000731 | BOLT HHC 3/8 - 16 X 1.5" |
| 19 | 000440 | LIGHT BAR MIDDLE SUPPORT/BLOWER VERSION |




| ITEM NO. | PART NUMBER | DESCRIPTION |
|---|---|---|
| 1 | 000056 | PANEL, BOTTOM SECTION |
| 2 | 000057 | WIND RIB EXTRUSION |
| 3 | 000055 | PANEL, MIDDLE SECTION |
| 4 | 000054 | PANEL, TOP SECTION |
| 5 | 000184 | PANEL |

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